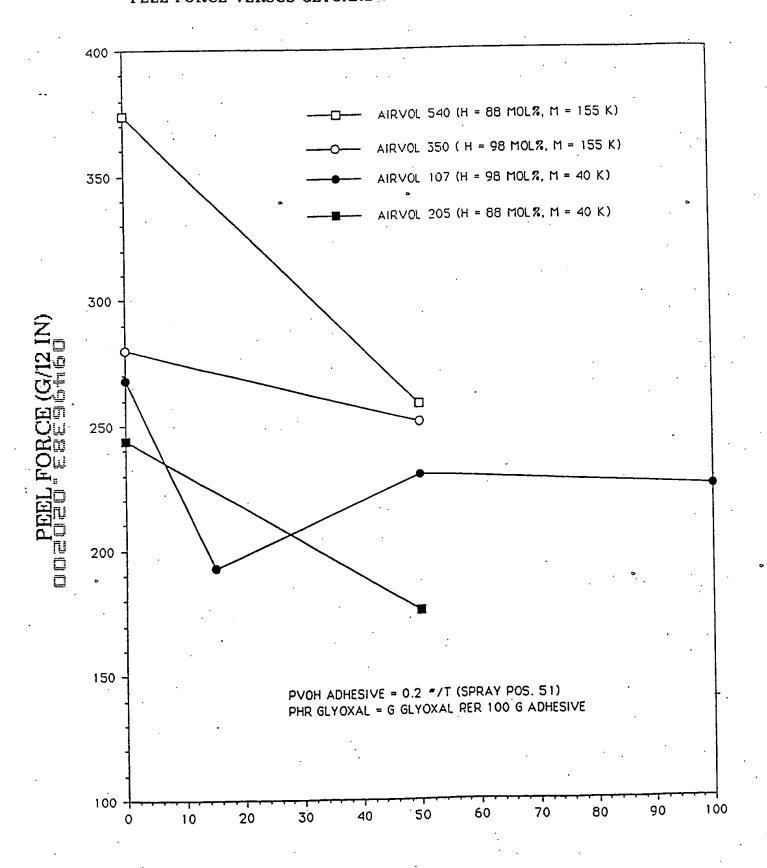


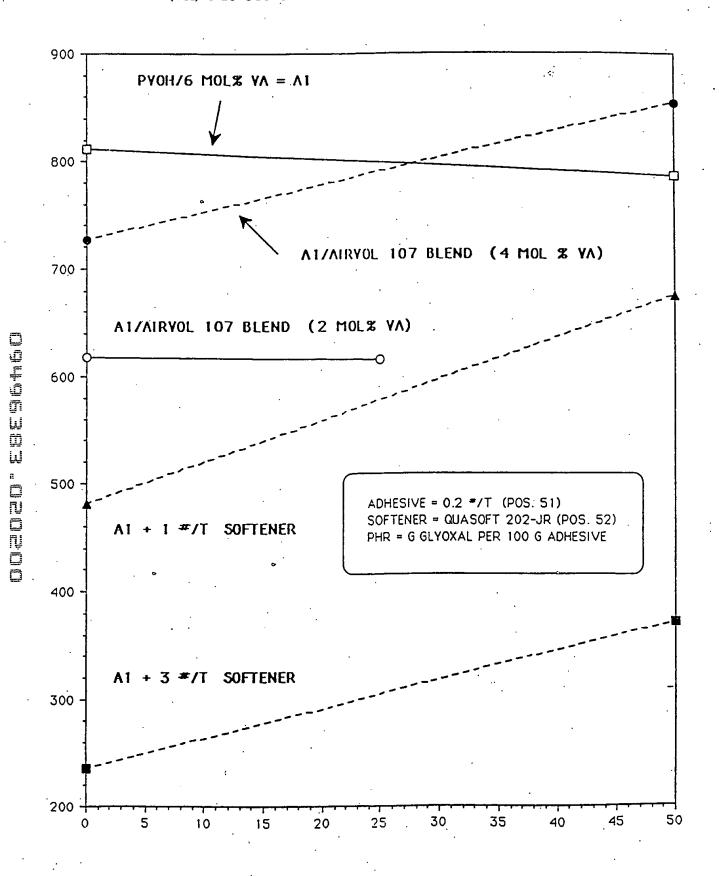
PEEL FORCE VERSUS GLYOXAL LEVEL FOR UNFUNCTIONALIZED PVOH



GLYOXAL LEVEL (PHR) - SPRAY POS. 51

FIGURE 4

PEEL FORCE VERSUS GLYOXAL LEVEL FOR VINYL AMINE (VA) FUNCTIONALIZED PVOH ADHESIVE

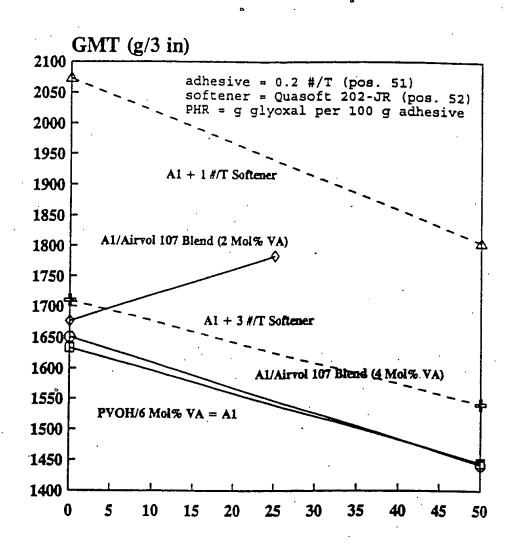


PEEL FORCE (G/12 IN)

GLYOXAL LEVEL (PHR) - SPRAY POS. 51

FIGURE 5

GMT VERSUS GLYOXAL LEVEL FOR VINYL
AMINE FUNCTIONALIZED PVOH ADHESIVES



GLYOXAL LEVEL (PHR) - SPRAY POS. 51